

INVESTIGATORY PROJECT ON PHYSICS 2026-27

General Instructions

Follow these instructions to write the project accordingly:

- Use only A4 pages
- Use channel file
- Staple with front page before using channel file

Project Structure

1. Colour front page
2. Table of content
3. Certificate
4. Declaration
5. Acknowledgement
6. Introduction
7. Theory
8. Apparatus required
9. Law and circuit diagram
10. Conclusion
11. Bibliography

Student List & Topic Assignment

SN	NAME OF STUDENTS	ASSIGNED TOPIC
1	Aditya Singh	1
2	Anirban Chatterjee	2
3	Ankit Kumar	3
4	Ankit Maji	4

5	Arna Mandal	5
6	Asma Sheikh	1
7	Ayush Anand	2
8	Baibhab DEY	3
9	BIDISHA GHOSH	4
10	DEBANJAN PATRA	5
11	DEEPAJ ROY	1
12	EMON MALLICK	2
13	FARMANULLA MIDDYA	3
14	FURGAL HANSDA	4
15	HITESH MONDAL	5
16	KUSUM DAS	1
17	MADAN SAREN	2
18	MADHUSHREE GANGOPADHYAY	3
19	MEHULI KUNDU	4
20	MOHIT KUMAR	5
21	MRINAL CH. MAHATO	1
22	NISHA DOLAI	2
23	PAYEL GHOSH	3
24	PRANABESH MAHATO	4
25	PURBALI DAN	5
26	RANIK SINGH	1
27	RANIT GHOSH	2
28	RATRI GHOSH	3
29	RIMPA GHOSH	4
30	SAYAN SANNIGRAHI	5
31	SHASHWATEE SAMANTA	1
32	SHREEBIDYA CHOWDHARY	2
33	S.K. ABDUS RAHAMATULLA	3
34	SOUHADRYA PAL	4
35	SOUMALYA CHAKRABORTY	5
36	SOUMASHREE DEY	1
37	SOUMAVA DAS	2
38	SOUMAVA SARKAR	3
39	SOUNAK PATI	4
40	SOURAV CHOWDHURY	5
41	SPANDAN KUNDU	1

42	SRIJA SAMANTA	2
43	SUHANI HEMBRAM	3
44	SUSHMITA MAHATO	4
45	TAMANNA GHOSH	5
46	TANBIR HASSAN	1
47	TISTA BANERJEE	2
48	TRISHAN DOLUI	3
49	TRISHA MISHRA	4
50	TWINKLE SARKAR	5
51	UNMESH SEN	1

List of Available Project Topics

1. To study various factors on which the internal resistance/EMF of a cell depends.
2. To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.
3. To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
4. To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
5. To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.